

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1-5. (cancelled)

6. (currently amended) An information recording apparatus comprising:

a writing device capable of writing record information onto an information recording medium comprising a first recording layer, on which a lead-in area, a data area and a middle area are disposed in this order from an inner circumferential side to an outer circumferential side, and a second recording layer, on which a middle area, a data area and a lead-out area are disposed in this order from the outer circumferential side to the inner circumferential side;

a first controlling device for controlling said writing device (i) to write the record information into the first recording layer from the inner circumferential side to the outer circumferential side, up to an outer edge of the data area of the first recording layer which is adjacent to and is immediately before an inner edge of the middle area of the first recording layer and (ii) to write the record information into the second recording layer from the outer circumferential side to the inner

circumferential side, after the recording of the first recording layer is finished, while a recording direction is turned-around at the outer edge of the data area of the first recording layer which is adjacent to and is immediately before the inner edge of the middle area of the first recording layer, from an outer edge of the data area of the second recording layer which is adjacent to and is immediately after an inner edge of the middle area of the second recording layer;

a second controlling device for controlling said writing device to write a predetermined amount of buffer data on both of (i) one portion of the middle area of the first recording layer which is on an outer circumferential side of the record information written in an area portion of the first recording layer at which the recording direction is turned-around and (ii) one portion of the middle area of the second recording layer which is on an outer circumferential side of the record information written in an area portion of the second recording layer at which the recording direction is turned-around; and

a third controlling device for controlling said writing device to add buffer data on an other portion of the middle area of each of the first and second recording layers,

wherein,

said second controlling device responds to a first border close instruction after the record information is recorded over the first and second recording layers, and

said third controlling device responds to a finalize instruction.

7. (canceled)

8. (canceled)

9. (currently amended) An information recording method in an information recording apparatus comprising: a writing device capable of writing record information onto an information recording medium comprising a first recording layer, on which a lead-in area, a data area and a middle area are disposed in this order from an inner circumferential side to an outer circumferential side, and a second recording layer, on which a middle area, a data area and a lead-out area are disposed in this order from the outer circumferential side to the inner circumferential side,

said information recording method comprising:

a first controlling process of controlling said writing device (i) to write the record information into the first recording layer from the inner circumferential side to the outer circumferential side, up to an outer edge of the data area of the first recording layer which is adjacent to and is immediately before an inner edge of the middle area of the first recording layer and (ii) to write the record information into the second

recording layer from the outer circumferential side to the inner circumferential side, after the recording of the first recording layer is finished, while a recording direction is turned-around at the outer edge of the data area of the first recording layer which is adjacent to and is immediately before the inner edge of the middle area of the first recording layer, from an outer edge of the data area of the second recording layer which is adjacent to and is immediately after an inner edge of the middle area of the second recording layer;

a second controlling process of controlling said writing device to write a predetermined amount of buffer data on both of (i) one portion of the middle area of the first recording layer which is on an outer circumferential side of the record information written in an area portion of the first recording layer at which the recording direction is turned-around and (ii) one portion of the middle area of the first recording layer which is on an outer circumferential side of the record information written in an area portion of the second recording layer; and

a third controlling process of controlling said writing device to add buffer data on an other portion of the middle area of each of the first and second recording layers,

wherein

said second controlling process responds to a first border close instruction after the record information is recorded over the first and second recording layers, and

said third controlling process responds to a finalize instruction.

10. (cancelled)

11. (previously presented) The information recording apparatus according to claim 6, wherein said writing device includes single pick-up device.